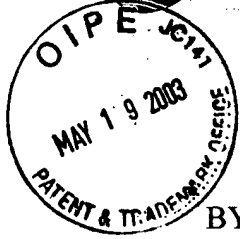


FASTCASE, INC.

Philip J. Rosenthal  
President  
[phil@fastcase.com](mailto:phil@fastcase.com)



May 19, 2003

BY HAND DELIVERY

Commissioner for Patents  
U.S. Patent and Trademark Office  
PO Box 1450  
Mail Stop AF  
Alexandria, VA 22313-1450

RECEIVED

MAY 21 2003

Technology Center 2100

Re: U.S. Patent Application. No. 09/707,910  
Filing Date: 08 November 2000  
Title: Apparatus and Method for Displaying  
Records Responsive to a Database Query  
Inventor(s): Edward J. Walters, III & Philip J. Rosenthal  
Group Art Unit: 2177  
Examiner: Greta Lee Robinson

Sir:

In response to the Examiner's Office Action, the Applicant submits the following:

1. a copy of the Examiner's Office Action;
2. a check for \$55 to cover the fee for an extension of time for response within the first month (37 C.F.R. § 1.17(a)(1)). Please note that the Applicant is a small entity (37 C.F.R. § 1.27);
3. a check for \$594 for independent claims in excess of three and newly added claims (37 C.F.R. § 1.16(b) & (c));
4. the Applicant's Response to the Office Action;
5. copies of corrected drawings that were filed separately with the Official Draftsperson; and
6. Form PTO/SB/81 confirming the authority of the undersigned to represent the Applicant in telephonic interviews.

05/20/2003 CCHA01 00000095 09707910

01 FC:2251

55.00-00

Stop searching. Start finding!

1916 Wilson Boulevard, Suite 302  
Arlington, VA 22201  
phone: 703.740.5920  
fax: 703.740.5934  
[www.fastcase.com](http://www.fastcase.com)

May 6, 2003

Page 2

In addition, the Applicant includes a copy of this filing for date stamping. It is respectfully requested that the attached copy of this filing be stamped with the date of filing of these documents, and that it be returned to our courier.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Philip J. Rosenthal", with a stylized flourish at the end.

Philip J. Rosenthal, Ph.D.  
Applicant & President of Assignee  
Attorney/Agent (Reg. No.) 42,114

Attachments

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/707,910	11/08/2000	Edward J. Walters	26495.101.US02	9069

26853      7590      01/17/2003

COVINGTON & BURLING  
ATTN: PATENT DOCKETING  
1201 PENNSYLVANIA AVENUE, N.W.  
WASHINGTON, DC 20004-2401

EXAMINER

ROBINSON, GRETA LEE

ART UNIT

PAPER NUMBER

2177

DATE MAILED: 01/17/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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JAN 22 2003

Patent Docketing

# Office Action Summary

Application No.

09/707,910

Applicant(s)

WALTERS ET AL.

Examiner

Greta L. Robinson

Art Unit

2177

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 08 November 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-49 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-49 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 November 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ 6) ☐ Other: \_\_\_\_\_

Art Unit: 2177

### DETAILED ACTION

1. Claims 1-49 are pending in the present application.

#### *Drawings*

2. The drawings are objected to by the Draftsperson note attached from PTO 948 for Draftsperson's Review. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

#### *Claim Rejections - 35 USC § 112*

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 1-49 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding **claims 1 and 21**, the following limitation lacks proper antecedent basis: "said responsive records" [see claim 1 line 3; and claim 21 line 2].

Regarding **claims 1 and 21**, the following limitation is vague: "displaying selected elements of at least one of said responsive records, wherein said list of identifiers and said selected

Art Unit: 2177

elements are displayed simultaneously" [see: claim 1 lines 5-7, claim 21 lines 4-6]. It is unclear as to what the selected elements include, are they the database 402, text 403, or sort process 404 depicted in figure 4.

Claims 2-20 and 22-49 are rejected based on dependency.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

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6. Claims 1-49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Barr et al. US Patent 5,873,076 in view of Schmitt US Patent 6,463,431 B1.

Regarding claim 1, **Barr et al.** teaches a method for displaying records responsive to a database query [note: query server 116, figure 3] comprising the steps of:

displaying a list of identifiers for a plurality of said responsive records [note: element 204 figure 2];

and

displaying selected elements of at least one of said responsive records,

wherein said list of identifiers and said selected elements are displayed

simultaneously [note: element 206 figure 2; figures 4A and 5; col. 12 lines 48-57; col. 14 lines 29-65].

Although **Barr et al.** teaches the invention substantially as cited above, they do not specifically teach simultaneous display of said list of identifiers and selected elements. **Schmitt** teaches a user interface that enables the user to comparatively evaluate multiple items simultaneously by adjustment of the attribute weightings and the proximity searcher can also simultaneously display a nearest neighbor item and a users selected item [see: abstract; figure 3; col. 3 line 23 through col. 4 line 17]. It would have been obvious to one of ordinary skill at the time of the invention to have combined **Schmitt** with **Barr et al.** because **Schmitt's** ability

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simultaneously display a list of items and selected items would allow the user keep items that may have been overlooked.

7. Regarding claims 2-5:

(Claim 2) wherein said selected elements comprise the entirety of one of said responsive records [Barr et al., Figure 4A and 5].

(Claim 3) wherein said identifiers comprise case citations [Barr et al., figure 4A and 5].

(Claim 4) further comprising the step of identifying and marking records displayed in their entirety in a prior search request [Barr et al., 206 figure 2 and figure 4A].

(Claim 5) further comprising the step of identifying and marking records that were responsive to a prior search request [Barr et al., 206 figure 2 and figure 4A].

8. Regarding claims 6, 8, and 15 note Barr et al.:

(Claim 6) further comprising the step of sorting said responsive records [col. 13 lines 30-67].

(Claim 7) wherein said responsive records include a record name;  
a record citation; a record date; and a record author [note element 400 figure 5].

(Claim 15) further comprising the step of resolving ties in a preceding sort [col. 13 lines 30-67].



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9. Regarding claim 7 note Barr et al.:

further comprising the step of computing the relevance of said responsive records [col. 13 lines 30-67].

10. Regarding claims 9-14:

further comprising the step of computing the relevance of said records ... wherein said list of responsive records is sorted according to record name ... citation ... date ... record author ... relevance of records [Barr et al. Figure 5; also note Schmitt figure 3 and col. 3 lines 22-44].

11. Regarding claims 16-20:

further comprising the step of identifying responsive records that were displayed in their entirety in a prior search ... wherein said responsive records are identified with text ... are identified with icons ... color ... with a browser viewed link designation [Barr et al. figure 4a and 5; figure 3 Schmitt].

12. The limitations of apparatus claims 21-49 parallel method claims 1-20 therefore they are rejected under the same rationale.

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***Conclusion***

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

**Driscoll** US Patent 5,642,502

**Husick et al.** US Patent 5,717,914

**Nakabayashi et al.** US Patent 5,826,263

**Redfern** US Patent 6,078,914

**Marshall et al.** US Patent 5,926,806

**Marshall et al.** US Patent 6,101,493

**Singhal** US Patent 6,370,527 B1

**Jones et al.** US Patent 6,415,307 B2

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greta Robinson whose telephone number is (703)308-7565. The examiner can normally be reached Monday through Friday from 9:30 AM to 6:00 PM.

If any attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Breene, can be reached at (703)305-9790.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Art Unit: 2177

**or faxed to:**

(703)746-7239, (for formal communications; please mark "EXPEDITED  
PROCEDURE")

**Or:**

(703)746-5657, (for informal or draft communications, please label "PROPOSED" or  
"DRAFT")

Hand delivered responses should be brought to Crystal Park II, 2021 Crystal Drive,  
Arlington, VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be  
directed to the Group receptionist whose telephone number is (703)305-9600.



**GRETA ROBINSON**  
**PRIMARY EXAMINER**

Greta Robinson

Primary Examiner

January 11, 2003

<b>Notice of References Cited</b>	Application/Control No. 09/707,910	Applicant(s)/Patent Under Reexamination WALTERS ET AL.	
	Examiner Greta L. Robinson	Art Unit 2177	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,642,502	06-1997	Driscoll, James R.	707/5
	B	US-5,717,914	02-1998	Husick et al.	707/5
	C	US-5,828,263	10-1998	Nakabayashi et al.	707/7
	D	US-5,873,076	02-1999	Barr et al.	707/3
	E	US-6,078,914	06-2000	Redfern, Darren M.	707/3
	F	US-5,928,806	07-1999	Marshall et al.	707/3
	G	US-6,101,493	08-2000	Marshall et al.	707/3
	H	US-6,370,527 B1	04-2002	Singhal, Amitabh Kumar	707/6
	I	US-6,415,307 B2	07-2002	Jones et al.	707/525
	J	US-6,463,431 B1	10-2002	Schmitt, Martin	707/5
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

02/707910

NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 11/8/00 are:A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

<p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color. Color drawings are not acceptable until petition is granted. Fig(s) _____ Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b) 1 full-tone set is required. Fig(s) _____ Photographs may not be mounted. 37 CFR 1.84(e) Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(c) Paper not flexible, strong, white, and durable. Fig(s) _____ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____ Mylar, velum paper is not acceptable (too thin). Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) 21.6 cm by 27.9 cm (8 1/2 x 11 inches) All drawing sheets not the same size. Sheet(s) _____ Drawings sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) <u>1, 5</u> Top (T) _____ Left (L) _____ Right (R) _____ Bottom (B) _____</p> <p>6. VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) _____ Views not labeled separately or properly. Fig(s) _____ Enlarged view not labeled separately or properly. Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3) Hatching not indicated for sectional portions of an object. Fig(s) _____ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p>	<p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i) Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k) Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS. 37 CFR 1.84(i) Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) _____</p> <p>11. SHADING. 37 CFR 1.84(m) Solid black areas pale. Fig(s) _____ Solid black shading not permitted. Fig(s) _____ Shade lines, pale, rough and blurred. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS. 37 CFR 1.84(p) Numbers and reference characters not plain and legible. Fig(s) _____ Figure legends are poor. Fig(s) _____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) <u>2, 16</u></p> <p>13. LEAD LINES. 37 CFR 1.84(q) Lead lines cross each other. Fig(s) _____ Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t) Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u) Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w) Corrections not made from prior PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152 Surface shading shown not appropriate. Fig(s) _____ Solid black shading not used for color contrast. Fig(s) _____</p>
COMMENTS	

REVIEWER

A.D.

DATE

1/3/03

TELEPHONE NO.

ATTACHMENT TO PAPER NO.

8



FASTCASE, INC.

2177  
Philip J. Rosenthal  
President  
phil@fastcase.com  
#9

May 19, 2003

BY HAND DELIVERY

U.S. Patent and Trademark Office  
Commissioner of Patents  
PO Box 1450  
Attention: Drawing Review Branch  
Alexandria, VA 22313-1450

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MAY 21 2003

Technology Center 2100

Re: U.S. Patent Application. No. 09/707,910  
Filing Date: 08 November 2000  
Title: Apparatus and Method for Displaying  
Records Responsive to a Database Query  
Inventor(s): Edward J. Walters, III & Philip J. Rosenthal  
Group Art Unit: 2177  
Examiner: Greta Lee Robinson

Dear Official Draftsperson:

In response to your objections on form PTO 948, a copy of which is attached, the Applicant submits the attached corrected drawings. A copy of these corrected drawings has also been sent to the Examiner, Greta Lee Robinson, as part of the Applicant's response to the first office action. Fees required with the response are included with that filing.

In addition, the Applicant includes a copy of this filing for date stamping. It is respectfully requested that the attached copy of this filing be stamped with the date of filing of these documents, and that it be returned to our courier.

Respectfully submitted,

Philip J. Rosenthal, Ph.D.  
Applicant & President of Assignee  
Attorney/Agent (Reg. No.) 42,114

Attachments

1916 Wilson Boulevard, Suite 302  
Arlington, VA 22201  
phone: 703.740.5920  
fax: 703.740.5934  
www.fastcase.com

Stop searching. Start finding!

Approved. CA. 8/14/03.

**Attachment for PTO-948 (Rev. 03/01, or earlier)**  
**6/18/01**

**The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.**

**INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

**1. Correction of Informalities -- 37 CFR 1.85**

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may **NOT** be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

**2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.**

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

**Timing of Corrections**

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.

02/707910

NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 11/8/00 are:A. ☒ approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

<p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:          Black ink. Color.          Color drawings are not acceptable until petition is granted.          Fig(s) _____          Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b)          1 full-tone set is required. Fig(s) _____          Photographs may not be mounted. 37 CFR 1.84(c)          Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(e)          Paper not flexible, strong, white, and durable.          Fig(s) _____          Erasures, alterations, overwritings, interlineations,          folds, copy machine marks not accepted. Fig(s) _____          Mylar, velum paper is not acceptable (too thin).          Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:          21.0 cm by 29.7 cm (DIN size A4)          21.6 cm by 27.9 cm (8 1/2 x 11 inches)          All drawing sheets not the same size.          Sheet(s) _____          Drawings sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins:          Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm          SIZE: A4 Size          Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm          SIZE: 8 1/2 x 11          Margins not acceptable. Fig(s) <u>1, 5</u>          Top (T) _____ Left (L) _____          Right (R) _____ Bottom (B) _____</p> <p>6. VIEWS. 37 CFR 1.84(h)          REMINDER: Specification may require revision to          correspond to drawing changes.          Partial views. 37 CFR 1.84(h)(2)          Brackets needed to show figure as one entity.          Fig(s) _____          Views not labeled separately or properly.          Fig(s) _____          Enlarged view not labeled separately or properly.          Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)          Hatching not indicated for sectional portions of an object.          Fig(s) _____          Sectional designation should be noted with Arabic or          Roman numbers. Fig(s) _____</p>	<p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)          Words do not appear on a horizontal, left-to-right fashion          when page is either upright or turned so that the top          becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k)          Scale not large enough to show mechanism without          crowding when drawing is reduced in size to two-thirds in          reproduction.          Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS.          37 CFR 1.84(j)          Lines, numbers &amp; letters not uniformly thick and well          defined, clean, durable, and black (poor line quality).          Fig(s) _____</p> <p>11. SHADING. 37 CFR 1.84(m)          Solid black areas pale. Fig(s) _____          Solid black shading not permitted. Fig(s) _____          Shade lines, pale, rough and blurred. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS.          37 CFR 1.84(p)          Numbers and reference characters not plain and legible.          Fig(s) _____          Figure legends are poor. Fig(s) _____          Numbers and reference characters not oriented in the          same direction as the view. 37 CFR 1.84(p)(1)          Fig(s) _____          English alphabet not used. 37 CFR 1.84(p)(2)          Fig(s) _____          Numbers, letters and reference characters must be at least          .02 cm (.008 inch) in height. 37 CFR 1.84(p)(3)          Fig(s) <u>5, 16</u></p> <p>13. LEAD LINES. 37 CFR 1.84(q)          Lead lines cross each other. Fig(s) _____          Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)          Sheets not numbered consecutively, and in Arabic numerals          beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)          Views not numbered consecutively, and in Arabic numerals,          beginning with number 1. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w)          Corrections not made from prior PTO-048          dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152          Surface shading shown not appropriate. Fig(s) _____          Solid black shading not used for color contrast.          Fig(s) _____</p>
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COMMENTS

REVIEWER

A.D.

DATE

1/3/03

TELEPHONE NO.

ATTACHMENT TO PAPER NO.

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## **REMINDER**

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig 1A, Fig. 1B, Fig.1C, etc., the specification, at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawings.

### **INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

#### **1. Correction of Drawings - 37 CFR 1.85**

File new drawings with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

#### **2. Timing for Corrections**

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37).

Failure to take corrective action within set period will result in **ABANDONMENT** of the Application.

#### **3. Corrections other than Defects Noted by the Drawing Review Branch on the Form PTO-948**

All changes to the drawings, other than defects noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted other than correction of defects, unless the examiner has approved the proposed changes.